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REPORT NO. 264 JULY 27, 1962

COMMUNICABLE DISEASE CENTER

POLIOMYELITIS

SURVEILLANCE



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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

PREFACE

Summarized in this report is information received from State Health Departments, university investigators, virology laboratories and other pertinent sources, domestic and foreign. Much of the information is preliminary. It is intended primarily for the use of those with responsibility for disease control activities. Anyone desiring to quote this report should contact the original investigator for confirmation and interpretation.

Contributions to the Surveillance Report are most welcome. Please address to: Chief, Poliomyelitis Surveillance Unit, Communicable Disease Center, Atlanta 22, Georgia.

Communicable Disease Center

Epidemiology Branch
Statistics Section
Surveillance Section
Poliomyelitis Surveillance Unit

Clarence A. Smith, M.D., Chief

Alexander D. Langmuir, M.D., Chief

Robert E. Serfling, Ph.D., Chief Donald A. Henderson, M.D., Chief

James A. Bryan, II, M.D., Chief Leo Morris, Statistician Saul Rosenberg, Statistician

2. STATE REPORT - TEXAS

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SUMMARY

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The report of 23 cases, 19 paralytic, for the week ending July 21, 1962, represents the largest number of paralytic cases to be reported for any single week in 1962. Eleven of the paralytic cases, over half, were from Texas and 3 were from Oregon.

A narrative report from Texas is presented in Section 2. The majority of Texas cases continue to be reported from the Dallas area.

A report on Poliomyelitis Surveillance forms submitted to the Poliomyelitis Surveillance Unit is included in Section 3.

There have now been 12 paralytic cases SUMART YTIGHNOM THANDS CASES have been under 10 years of age; 8 have

Twenty-three cases of poliomyelitis, 19 paralytic, were reported for the week ending July 21. During this 29th week, the incidence exceeds that reported in the comparable week of 1961 (Figure 1). Texas reported the largest proportion of cases with 15, including 11 paralytic. Oregon accounted for 3 paralytic cases, all occurring in Multnomah County. California reported 2 paralytic cases, and Illinois, Massachusetts, and New York accounted for one each. nwods jon jeen nwoodnu ditw sees Tuo?

The six-week totals for the past five years which are presented below show that the cumulative 1962 totals for the 24th through the 29th week topped those of 1961. oral vaccination program with Type I oral vaccination

Six-Week Totals (24th thru 29th Week) for Past Five Years

	1962	1961	1960	1959	1958
Paralytic	87	52	275	693	241
Total	20114	92	374	1081	495

There now have been 270 cases, 206 paralytic, reported in the United States through July 21, 1962 (see Table 1). More paralytic cases have been reported in 1962 than in 1961 to date.

Polio (Cumulated Weekly) through 29th Week for Past Five Years

isoletes which the following	movi <mark>1962</mark> from	1961 War	1960	<u>1959</u>	1958
Paralytic	206	186	528	1151	475
Total	270	288	724	1723	949

2. STATE REPORT - TEXAS

For the week ending July 21, 15 cases of poliomyelitis, 11 paralytic, were reported by Texas. Dr. Van C. Tipton, Chief, Communicable Disease Division, Texas State Department of Health, states that the 11 paralytic cases originated in 8 counties.

The Dallas area remains the most active focus of poliomyelitis in the State with Dallas County reporting 3 more paralytic cases and nearby Collin, Ellis, and Parker Counties reporting one each. Other counties reporting single cases were Harris, Nueces, Grimes and Travis. The latter two counties along with Parker and Ellis County reported paralytic cases for the first time this year.

There have now been 12 paralytic cases in Dallas County. All 12 cases have been under 10 years of age; 8 have been preschool children. A vaccination program with Type I oral vaccine is planned for Sunday, July 29. The Dallas cases are shown below by week of onset:

Week Ending: 6/2 6/9 6/16 6/23 6/30 7/7

Dallas County* 0 1 1 0 4 2

* Four cases with unknown onset not shown; 1 reported week ending July 14, and 3 reported week ending July 21.

Harris County (Houston), which reported its seventh paralytic case, held a vaccination program with Type I oral vaccine on Sunday, July 22. An estimated 900,000 persons received the vaccine in Harris County and a similar program in nearby Brazoria, Matagorda, and Montgomery Counties reached about 125,000 persons.

3. 1962 POLIOMYELITIS REPORTED TO PSU

ESTE

Of the 206 cases of paralytic poliomyelitis reported through the week ending July 21, 184 had onset in 1962. Twenty-two cases represent delayed reports with onsets of illness in 1961.

To date in 1962, there have been 66 poliovirus isolates reported from the 184 paralytic cases. Of these, 56 are Type I, and 10 are Type III poliovirus. Texas has accounted for more than half of the isolates which have been reported. The isolates have been reported from the following States:

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	State	Ministra	I		III		Total	
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	Georgia		0	0	1		1	
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	Kentucky		2	0	1		3, playfer	5 p.s
	Louisiana		2	0	0		2	
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erning	Details conce	cipated.	56	8 quo	10	filA .spidi;	00,000 elig e cases 30 e	of 6

The Poliomyelitis Surveillance Unit has received individual case forms on 149 of the 184 paralytic cases with onset in 1962. The vaccination status of the 149 paralytic cases by age group is shown below. Sixty (73 percent) of the 82 paralytic cases with known vaccination history in the 0-4 age group have been unvaccinated.

Paralytic Poliomyelitis by Age Group And Vaccination History Reported on PSU Forms (Through July 23, 1962)

Age		ses of				es PSU Rep	
Group	<u>ov</u>	<u>1-2V</u>	<u>37</u>	4+V	Unk.	Total	Percent
, 14 paralytic	esass vi		i gade	Magad	there have		
0-4	60	16	2	4	1	8 3	55.737000
5-9	11	3	3	6	1	24	16.1
10-14	6	0	5	0	0	11	7.4
15-19	3	0	3	1	0	7	4.7
20-29	7	3	1	1	1	13	8.7
30-39	5	0	0	0	1	6	4.0
40+	_5_	0	0	0	_0_	5	3.4
TOTAL	97	22	14	12	4	149	100.0
PERCENT							
DOSES	66.9	15.2	9.7	8.3	-	100.0	

4. ROUTINE POLIOMYELITIS SURVEILLANCE - 1962

A. Cases with Onset Within 30 Days of Vaccine (Inactivated)

During the week ending July 21, there have been no poliomyelitis cases with onset within 30 days of vaccination with inactivated vaccine reported to the Poliomyelitis Surveillance Unit.

The total number of under-30-day cases still remains at 8 including 5 paralytic.

B. Cases with Onset Within 30 Days of Vaccine (Oral)

Three delayed reports of under-30-day paralytic cases (OPV) were submitted to the Poliomyelitis Surveillance Unit during the week ending July 21. All 3 cases were from Multnomah County, (Portland) Oregon, where mass community oral vaccine programs have been undertaken. Type I vaccine was administered on March 31, and April 1, Type III vaccine on April 28, and Type II vaccine approximately one month later. In the Portland area, approximately 400,000 persons participated from an estimated total group of 600,000 eligibles. All age groups participated. Details concerning these cases are shown below:

County	Age	Sex	Onset	Date Fed	Type Fed	Onset Interval	Poliovirus Isolated	Mfr.	Lot No.
Multnomah	rod 11 a	Fuo	48 5 -7	4-28	incl	9 days	Statu ili i t	Pf.	*
Multnomah	39	M	5-22	4-28	III	24 days	(driffine)	Pf.	*
Multnomah	6	M.	5-25	4-28	dillad	27 days	Tii Tii	Pf.	*

Paralytic Politomyelltis by Age Group

* 203-1148-2

0.001

PAI

Two previous under-30-day (OPV) paralytic cases have been reported from Oregon (See PSU Report Nos. 257 and 262).

And Vaccination History Reported on PSU Forms (Through July 23, 1962)

To date in 1962, there have been 15 under-30-day cases, 14 paralytic, reported.

PERCENT

JATOT

DOSES

10-14

56.9 15.2 9.7 8.3 - 100

14 12

Figure 1

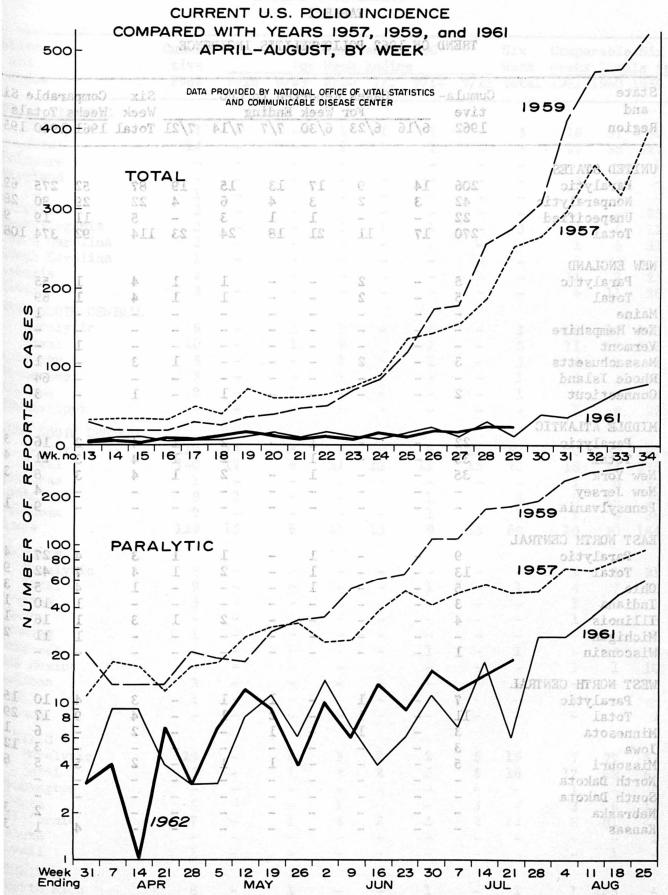


TABLE I
TREND OF 1962 POLIOMYELITIS INCIDENCE

State and Region	Cumula- tive		Cases Reported to CDC For Week Ending						Comparable Six Weeks Totals in			
	1962	6/16	6/23	6/30	7/7		7/21	Week Total				
UNITED STATES												
Paralytic	206	14	9	17	13	15	19	87	52	275	693	
Nonparalytic	42	3	2	3	4	6	4	22	29	80	289	
Unspecified	22	-	_	1	1	3	_	5	11	19	99	
Total	270	17	11	21	18	24	23	114	92	374	1081	
NEW ENGLAND												
Paralytic	5	_	2	_	_	1	1	4	1	55	7	
Total	5 5	-	2	_	_	1	1	4	1	69	9	
Maine		÷ _	_	_	-	_	·	- 2	_	1	19 -	
New Hampshire		<u>-</u>		1 . <u>J</u> y	20		_	- A	_	_	-	
Vermont	_	-	_	_	_			hun <u>.</u> Le	1	_	-	
Massachusetts	3		2	_	_		1	3		1	4	
Rhode Island	_	_	V		_	- I			ation <u>s</u>	64	-	
Connecticut	2	_	_	_		~ 1	-	1	-	3	5	
MIDDLE ATLANTIC											7	
Paralytic	22	The same of the sa	All Allenda	and the second	-	2	1	4	2	16	36	
Total	35	95 <u>.</u> 35	PS 23	281	(4	2	1	4	3	21	49	
New York	35	-	-	1		2	1	4	3	8	31	
New Jersey	P4	44	_	-	_	10.00	_	_	_	4	8	
Pennsylvania		_	` _	4 12	_	-	-	-	-	9	10	
EAST NORTH CENTRAL											71	
Paralytic	9	_	- ,,	1	_	1	1	3	4	27	43	
Total	13		_	1	_	2	l	4	7	42	95	
Ohio	5	_	_	1	_			1	4	5	34	
Indiana	3		_ `	_	_	_	_	-	1	10	14	
Illinois	4	_	``\\		_	2	1	3	1	16	17	
Michigan	a last <u>i</u> s			en <u>a</u> ri			<u> </u>	_	1	11	27	
Wisconsin	1	-	-	-	- `	-	-	-		05 -	3	
WEST NORTH CENTRAL												
Paralytic	7	$\wedge \lambda$	1	/ /-	1	1	-	3	4	10		
Total	/ ii/	- F. S.			2	1	_	4	9	8 17	292	
Minnesota	3	_\	1	7/	2 1	1-1	- /4	2	\ =	6	15	
Iowa	3 3 5	_ `	\sqrt{z}		/ -	1-1	4	ا ا	\ -	3	126	
Missouri	5	_	\vee _	- \	ı	1	\ /-/	2	5	5	81	
North Dakota	-	_	_	_	-	. 7	14-	-	_	_	-	
South Dakota	_	_	_	_	_	_	_	1 - /	_	_	1	
Nebraska	-	_	_	-	_	-	_	1 -/	_	2	38	
Kansas							3.84	211	4		31	

TABLE I (Continued)

State		Cumula- Cases Reported to CDC Six								[1871] : (1871] [1872] [1872] [1872] [1874] [1874] [1874] [1874] [1874] [1874] [1874] [1874] [1874] [1874]			
and	tive		For	Week				Week		Tota	ls in		
Region	1962	6/16	6/23	6/30	7/7	7/14	7/21	Total	1961	1960	1959		
SOUTH ATLANTIC													
Paralytic	11	_		1	1	1	_	3	16	37	92		
Total	14	_		ī	ī	ī		3	27	58	127		
Delaware		_	_	_	_			_		-	2		
Maryland		-	_	<u></u>					3		_		
D. C.	1	_		_ `	_				_		_		
Virginia	2			_	_			_			25		
West Virginia	3			1	1	ī	μeΞ.	3	4	6	11		
North Carolina	2	_		<u> </u>	_			_	i	6	31		
South Carolina	ĩ	_		Sa In	- 5.	.	- T		2	33	9		
Georgia	2	_ <u>-</u>		_					11	2	23		
Florida	2 3				-		_		6				
		-	- <u>-</u>		-			•	0	11	26		
EAST SOUTH CENTRAL													
Paralytic	6	-	1	1	-	1	-	3	6	17	103		
Total	10	-	1	2		2 2		5	11	18	126		
Kentucky	5	-		1	-	2	-	3	2	1	4		
Tennessee	3	-	-	1	-		-	1	4	3	36		
Alabama	2	_	1	_	_	_	_	1	4	6	64		
Mississippi		_	_	_	-	_	_	_	1	8	22		
WEST SOUTH CENTRAL													
Paralytic	110	14	4	8	9	6	11	52	10	30	182		
Total	140	17	6	11	13	11	15	73	18	54	278		
Arkansas	1	_	-	-	-	· ·	-	-	1	6	57		
Louisiana	8	2	-		-	1	-	3	6	14	39		
Oklahoma	2	-		-	_	1	-	1	_1	4	38		
Texas	129	15	6	11	13	9	15	69	10	30	144		
MOUNTAIN													
Paralytic	7	_	_	_		_	_	-	2	6	21		
Total	9			_	_	1	_	1	4	7	40		
Montana	3	_					_		1	3	1		
ldaho	_					_	_		ī	_			
Wyoming			_	_	_				_	_	5 1 4		
OLorado	1	_		_		1		1	_	3	4		
New Mexico	_								1	ì	10		
Arizona	3										17		
Utah	i				*5				1				
Nevada	_										2		
					7						-		
PACIFIC													
Paralytic	29	-	1	5	2	2	5	15	7	77	57		
Total	33	-	1	5	2	3	5	16	12	88	65		
Washington	_	-	-	_	-	-	-	-	1	-	9		
Teach	5	-	-	1	-	-	3	4	3	6	15		
od i fonnia	27	-	1	4	2	3	2	12	8	81	40		
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TERRITORY													
Puerto Pico	0		1		V VALUE	ר		2	ר	165			
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